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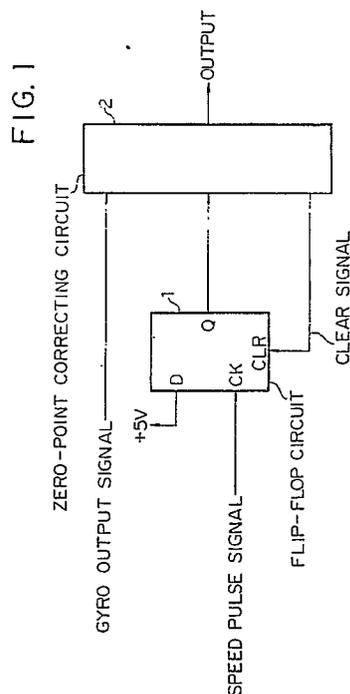
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(54) **Method for correcting zero point of gyro and apparatus therefor.**

(57) A method of correcting a zero point of a gyro, comprises the steps of detecting a speed of a moving body and outputting a speed signal corresponding to the speed; determining with the speed signal whether the moving body is at a stopping condition; computing an average value of output values of the gyro within a constant time in which the moving body is at the stopping condition, and setting the average value to a new zero point of the gyro; and correcting an output value of the gyro with the new zero point.

An apparatus for correcting a zero point of a gyro, comprises a speed sensor for detecting a speed of a moving body and outputting a speed pulse signal corresponding to the speed; a flip-flop circuit which is set by the speed pulse signal of the speed sensor; and a zero-point correcting circuit wherein it is determined with a level of an output of the flip-flop circuit and with an output of a timer whether the moving body is at a stopping condition and wherein a zero point of the gyro is corrected with an average value of outputs of the gyro at the time the moving body is at the stopping condition, the zero point correcting circuit outputting a clear signal to the flip-flop circuit, the flip-flop circuit being cleared by the clear signal and then set by the

speed pulse signal.





**EUROPEAN SEARCH
REPORT**

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|---|---|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.5) |
| X | US-A-4 470 124 (TAGAMI et al.) * Whole document * ----- | 1-4 | G 01 C 25/00 |
| A | PATENT ABSTRACTS OF JAPAN, vol. 8, no. 1 (P-246)[1438], 6th January 1984; & JP-A-58 166 406 (MITSUBISHI) 01-10-1983 ----- | 1 | |
| A | PATENT ABSTRACTS OF JAPAN, vol. 11, no. 109 (P-564)[2556], 7th April 1987; & JP-A-61 258 109 (MITSUBISHI) 15-11-1986 ----- | 1 | |
| A | DE-A-3 111 131 (TELDIX) * Figure; claim 1 * ----- | 1 | |
| The present search report has been drawn up for all claims | | | TECHNICAL FIELDS SEARCHED (Int. Cl.5) |
| | | | G 01 C |
| Place of search | Date of completion of search | Examiner | |
| The Hague | 11 July 91 | KOLBE W.H. | |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention | | E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | |